

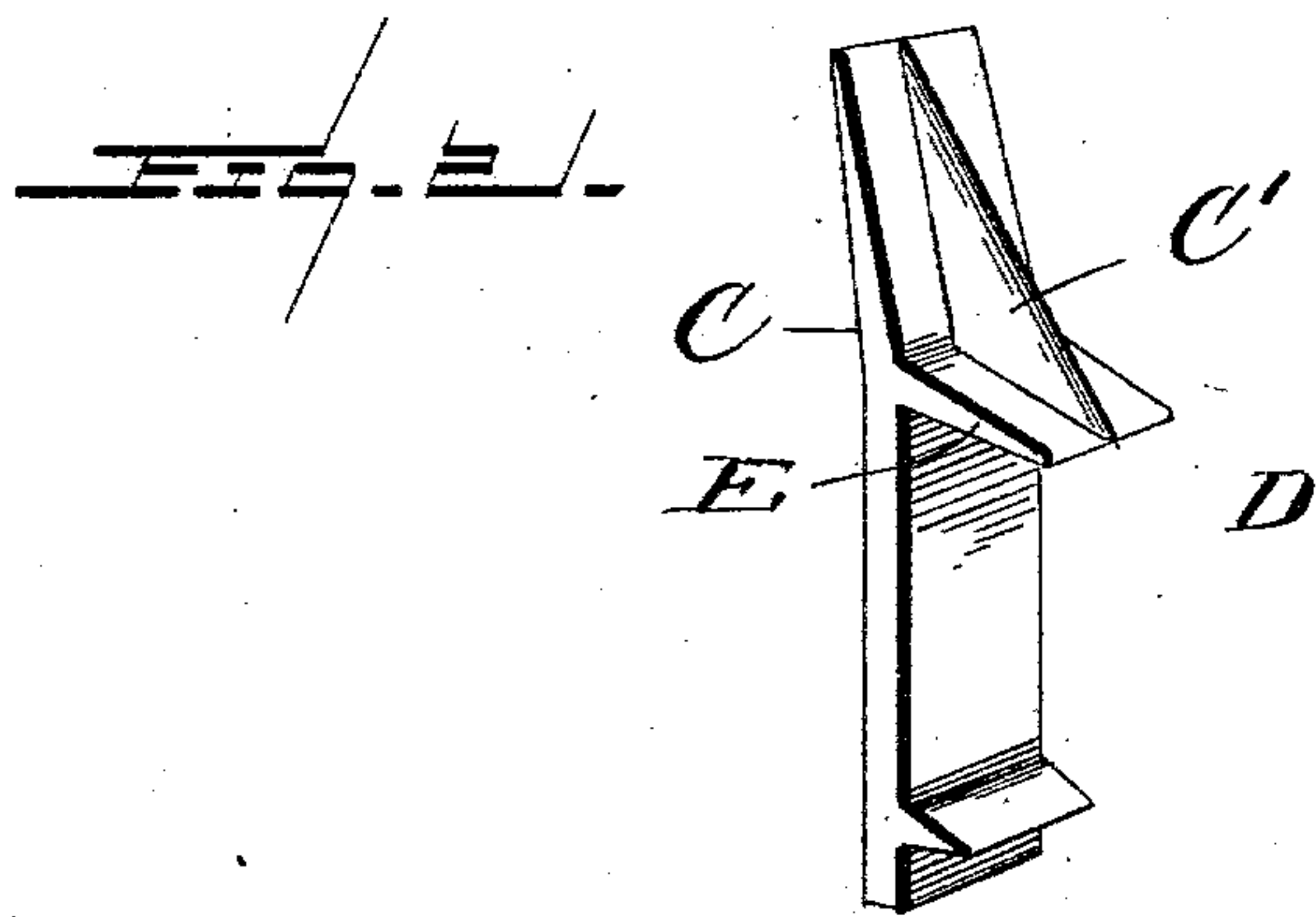
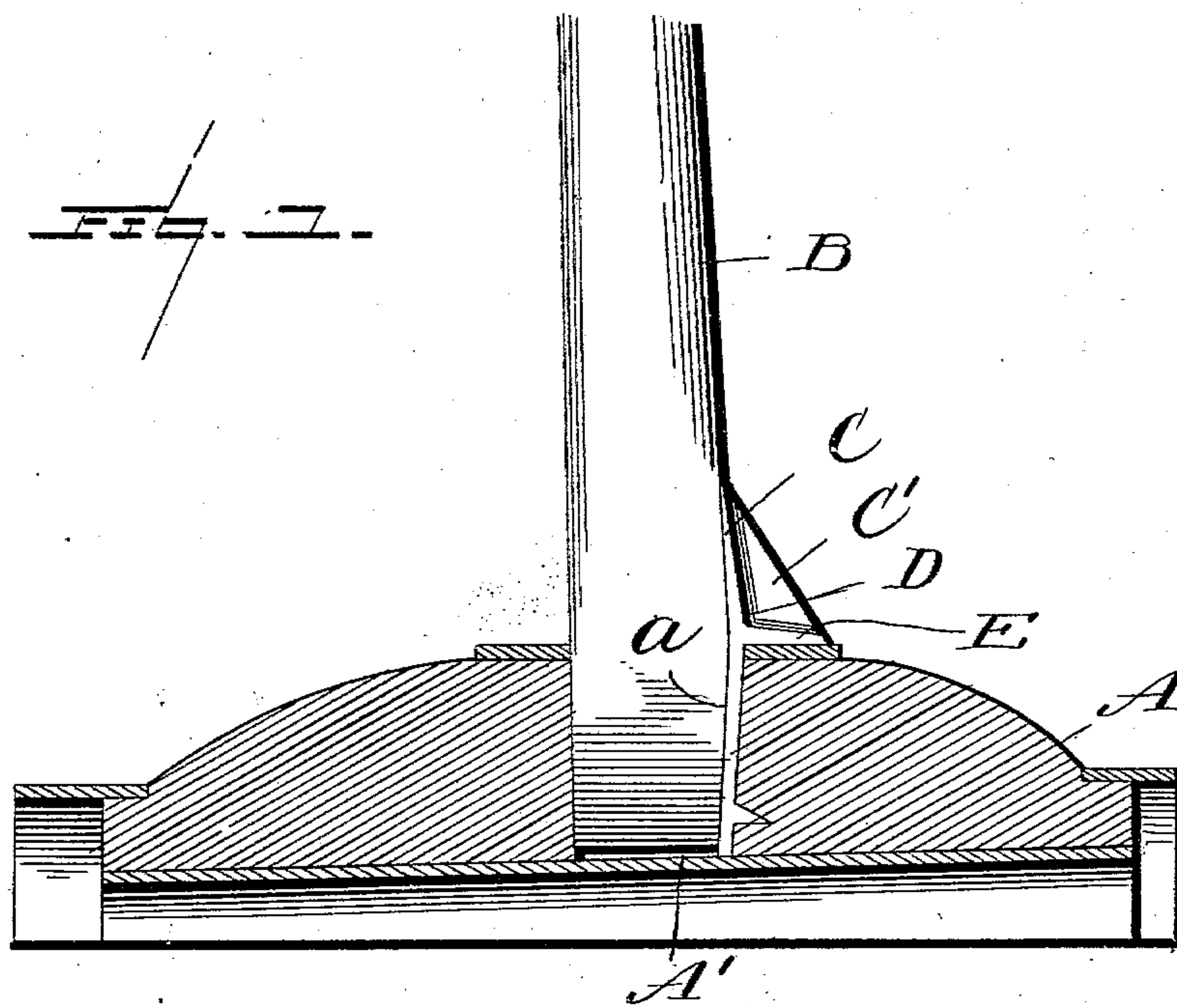
No. 720,745.

PATENTED FEB. 17. 1903.

B. A. SHEPLEY.  
SPOKE BRACE FOR VEHICLE HUBS.

APPLICATION FILED NOV. 29 1902.

NO MODEL.



WITNESSES

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# UNITED STATES PATENT OFFICE.

BENJAMIN ALBERT SHEPLEY, OF LESTERVILLE, MISSOURI.

## SPOKE-BRACE FOR VEHICLE-HUBS.

SPECIFICATION forming part of Letters Patent No. 720,745, dated February 17, 1903.

Application filed November 29, 1902. Serial No. 133,215. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN ALBERT SHEPLEY, a citizen of the United States, residing at Lesterville, in the county of Reynolds and State of Missouri, have invented certain new and useful Improvements in Spoke-Braces for Vehicle-Hubs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in devices for securing spokes to hubs; and it consists in the provision of means whereby the attachment is inserted in the aperture in which the spoke is inserted in the hub and securely held to the latter and adapted to securely hold and brace the spoke when adjusted in place.

The invention will be hereinafter fully described and then specifically defined in the appended claim and is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a longitudinal section centrally through a hub and longitudinally through a spoke and my attachment applied thereto, and Fig. 2 is an enlarged detail view in perspective of the attachment.

Reference now being had to the details of the drawings by letter, A designates a hub of a wheel, having apertures A' for the reception of the spokes B. These spokes may be of the ordinary construction and having a tapering end *a*, which is inserted in the apertures of the hub. The attachment forming the essence of the present invention consists of a metallic member C, which has a curved or angled face upon one side to conform to the shape of the spoke against which it is to be held. Projecting from one face of said member is a flange or spur C', which is adapted to be driven into the hub, as illustrated in Fig. 1 of the drawings, and the projecting flange

D is designed to fit over the hub-band E in the manner illustrated. After said member has been adjusted to the hub the spoke is driven in the aperture between the curved or angled face of said member and the opposite wall in the hub by reason of the shape of the face which engages the spoke. The latter will spring slightly and be held securely within the aperture in the hub, and the spoke will be securely braced by the inclined portion C', which holds the upper part of the member rigid, throwing the strain which comes upon the member against the band of the hub.

From the foregoing it will be observed that by the provision of a brace attachment embodying my invention a wheel is strengthened at the weakest part of the spoke, and throwing any strain that may come upon the spokes at the strongest part, or outside the end of the brace.

While I have shown the particular construction illustrated, it will be understood that I may make slight alterations in the detailed construction of the attachment without departing from the spirit of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In combination with a hub with bands about the same with their inner edges flush with the walls of the spoke-sockets of the hub, a boxing fitted within the bore of the hub, a spoke-bracing member having its spoke-engaging face angular, and its inner end resting against the circumference of said boxing, a laterally-projecting wing designed to rest upon one of said bands, and a solid portion of said member extending the entire length of said wing, and extending to the upper end of the member, as set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

BENJAMIN ALBERT SHEPLEY.

Witnesses:

WILLIAM ZIMRI CARTER,  
C. C. O'DELL.